JM-250
Andriod™ Smart Box
User Manual

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The object of this manual is to provide the most updated and accurate information to users, and, for that reason, all contents may be edited without a fixed schedule and a prior notice. For the latest version of the user manual, please visit www.BenQ.com or select **All APPs** > **BenQ TV Box user manual** at the main screen of Andriod™ Smart Box. If you have not installed any app as a PDF reader on your Andriod™ Smart Box, go to **BenQ recommended** or **apps store** and look for **OfficeSuite 7 + PDF&HD** and install it. Display effects and available functions on PDFs vary from applicable PDF readers.

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Preface

About this book

This book contains important information of Andriod™ Smart Box as well as functionality demonstrations of Andriod™ Smart Box. Please keep this book in a safe place for immediate reference when required.

This book simplifies steps into menu selections such as **All Apps** > **Settings** > **Display**.

Software functionality and hardware appearances in this book are described as contemporaneous as the product is first released, which may be differed from software revisions or hardware improvements of the product. Please pardon for without prior notices.

Legends

Notes, tips, warnings in this book are designed by means of purposes with descriptions as below.

Icon	Item	Description
	Note	Supplement instructions.
	Tip	Handy advice to complete certain jobs.

Icon	Item	Description
	Warning	Knowledge of avoiding misusages, false operation, or improper behavior leading component corruption, data loss, or injury.

Touring the product

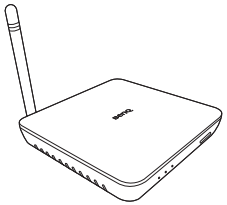
Introduction

Thank you for purchasing BenQ JM-250 Andriod™ Smart Box. With this tiny but mighty device and a few simple steps, you can make any display smarter than ever. Not only can it bring you enjoyments of versatile cloud content services by BenQ, but also provides all-around multimedia playback ability in videos, photos, music, and so forth; moreover, you can use it for web browsing and emails.

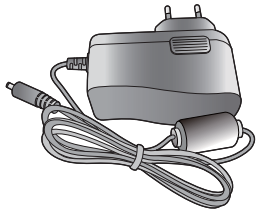
BenQ JM-250 Andriod™ Smart Box comes with Android™ operating system, and you can download and install a variety of apps to expand its functionality, such as social networking, communication, or online games, to fit your demand.

Package contents

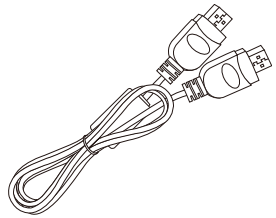
Please make sure below items are available while unpacking. Please contact dealers immediately if any item missing or damaged.



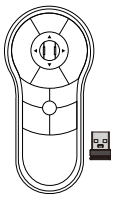
Andriod™ Smart Box x 1



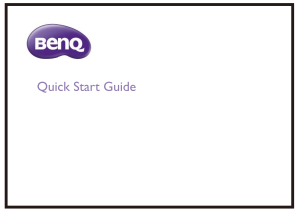
Power adapter x 1



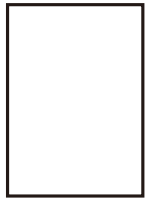
HDMI cable x 1



BenQ i-Remote x 1
(AA battery x 2 required)



Quick start guide x 1

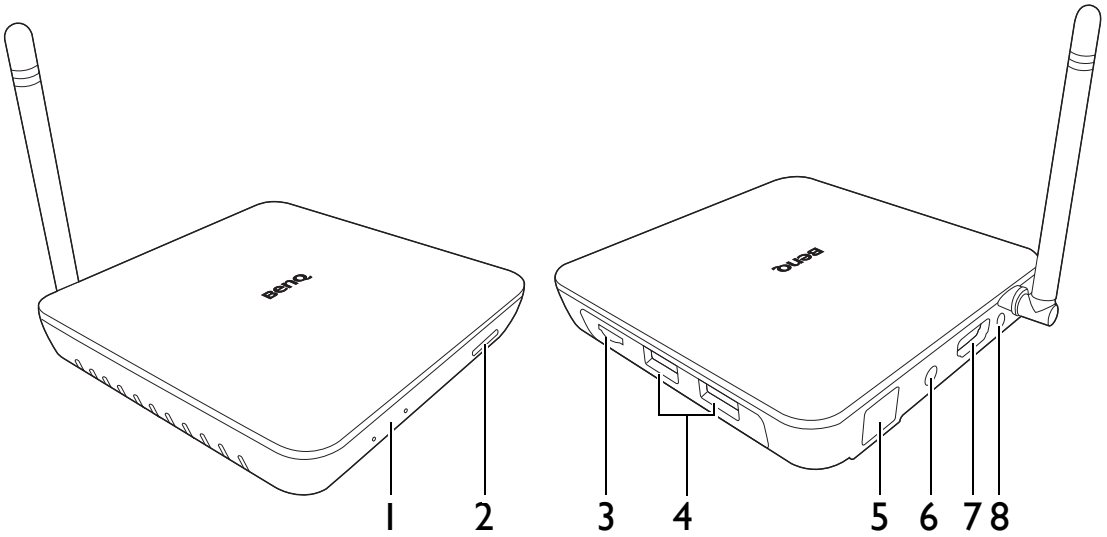


Warranty card x 1

Purchase is required for excluded cables/parts from the package.

- Product appearances and images in this book may be differ from the actual products rolled out in your region.
- Please use BenQ genuine parts to ensure compatibility and safety.
- Please keep the product and its accessories out of children.

Front and rear views



Item	Name	Description
1	Power LED	Lit in blue when system on and in red when standing by.
2	IR receiver	For use with the included BenQ i-Remote .
3	microSD/SDHC card slot	Use this slot with microSD/SDHC card (purchase required) to expand available memory space of Andriod™ Smart Box.
4	USB 2.0 port	For use with external keyboard and mouse on operating each convenient functions of Andriod™ Smart Box.
5	RJ-45 jack	For use with ethernet cables on wired networks.

Item	Name	Description
6	AV-out	To be used to connect Andriod™ Smart Box to AV-in jacks on display terminals.
7	HDMI connector	To be used to connect Andriod™ Smart Box to the HDMI port on display terminals.
8	DC-in	To be used as the power input of Andriod™ Smart Box. Use the included USB power cable to connect the power adapter.

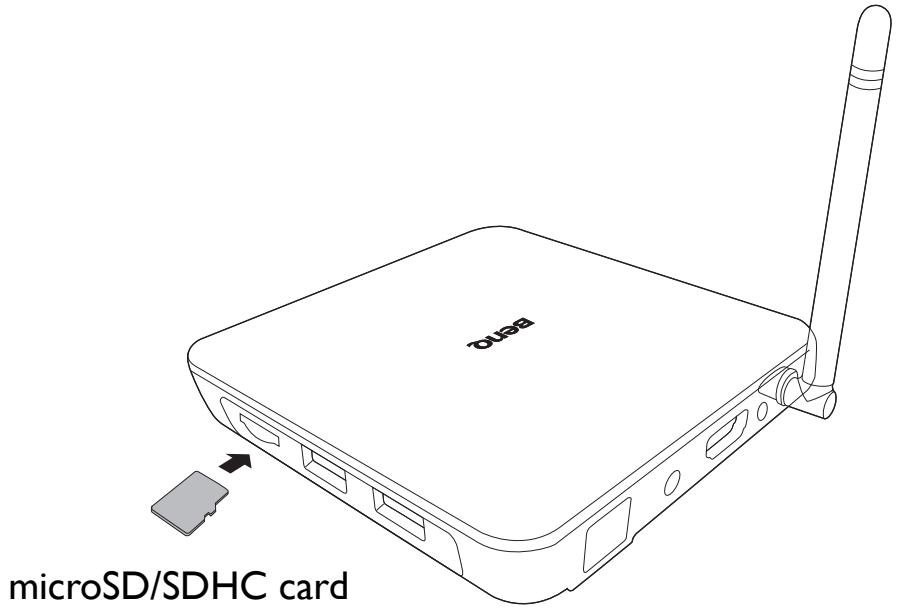
Introduction

Setup and connect Andriod™ Smart Box

Insert the microSD/SDHC card (For memory space expansion)

A microSD/SDHC card (purchase required) expands available memory space of Andriod™ Smart Box.

Insert the microSD/SDHC card into the slot on Andriod™ Smart Box to the full end with a click. Make sure the contacts of the card face down when inserting as illustrated below.



You may access folders and files on the card by selecting **All Apps** > DocQman

- Please insert the microSD/SDHC card as directed. Incorrectly squeeze the card into the slot may cause damage.
- Andriod™ Smart Box supports microSD/SDHC cards with the capacity up to 64 GB.

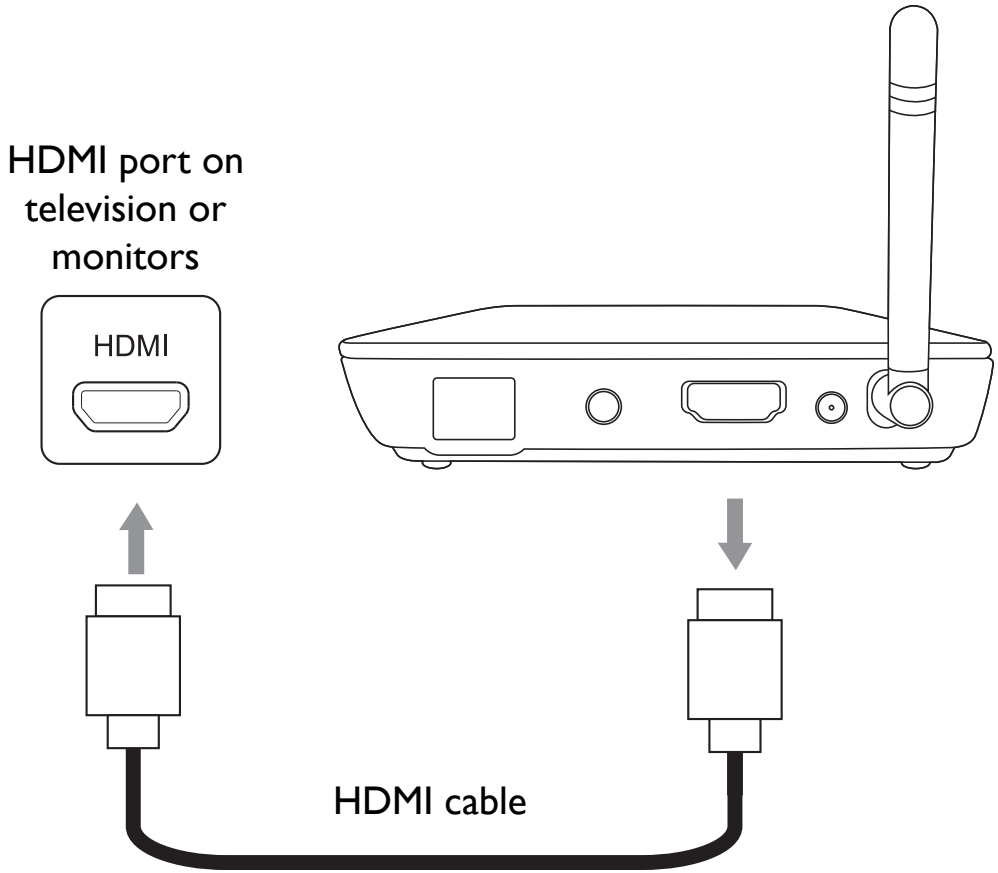
Remove the microSD/SDHC card

1. Dismount the microSD/SDHC card firstly by clicking **Setup** > **Advanced** > **More Settings** > **Device** > **Storage** > **Unmount SD card** > **OK**.
2. Push the card to release it from the slot.

Please remove the card as directed. Failed to remove the card correctly may cause data loss.

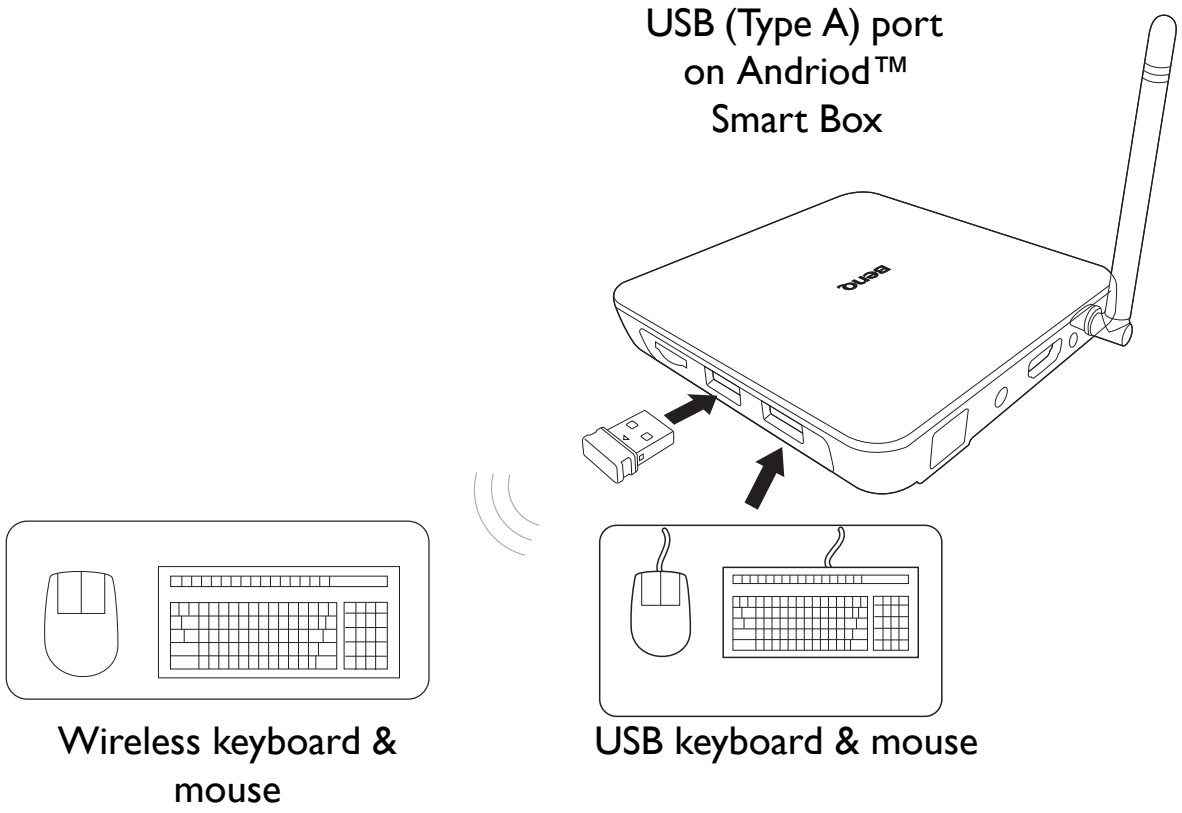
Connect to HDMI port equipped televisions or monitors

You have to connect Andriod™ Smart Box to the HDMI port on televisions or monitors to bring it into full play.



Connect USB keyboard and mouse

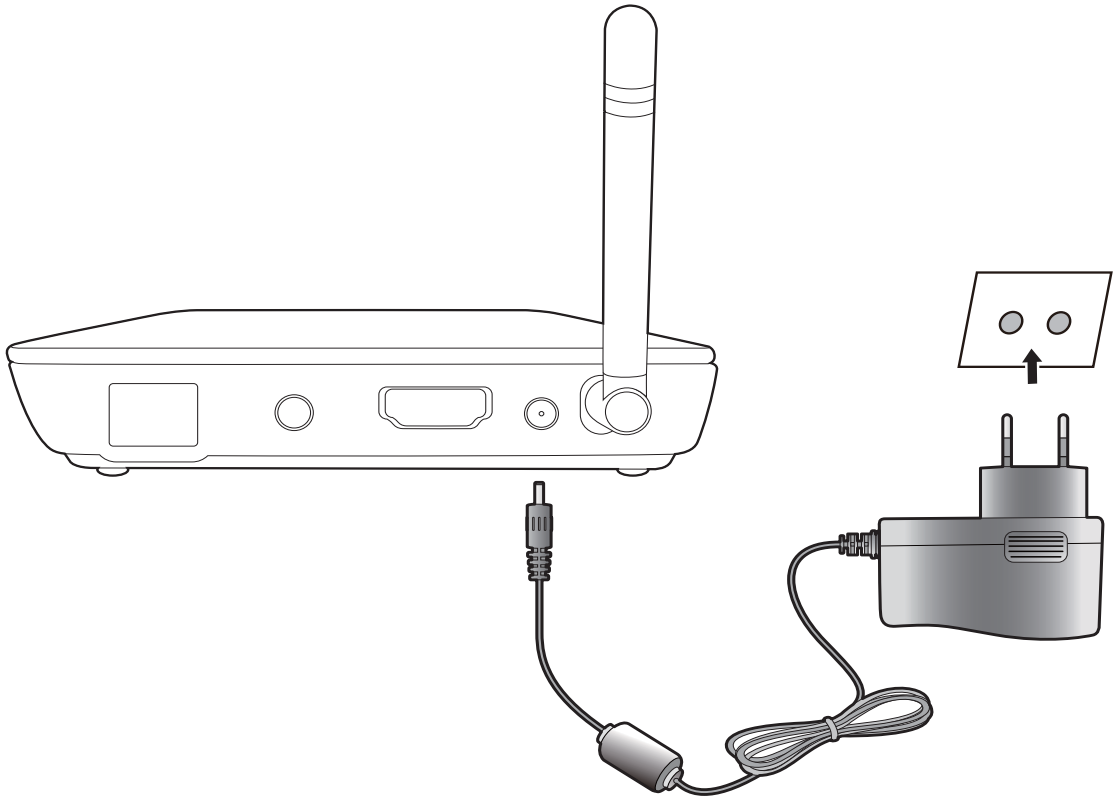
You can use USB keyboard and mouse for text input and operating each convenient functions of Andriod™ Smart Box. Please connect your USB keyboard and mouse to USB (Type A) port of Andriod™ Smart Box.



There is no guarantee of all USB keyboards and mice by every manufacturer to be compatible with Andriod™ Smart Box.

Connect power supply

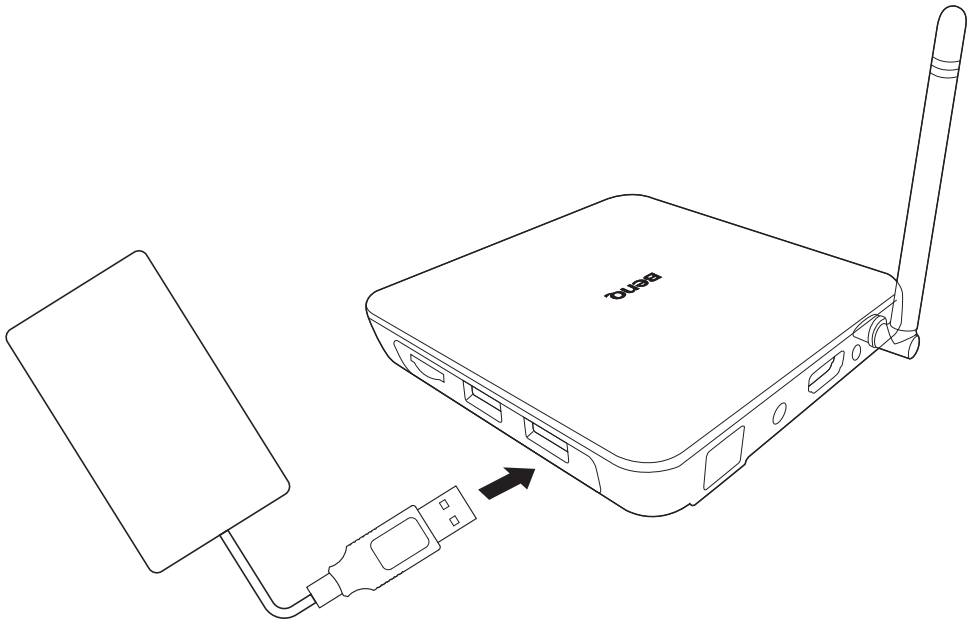
Connect the included power adapter to DC-in jack on Andriod™ Smart Box as illustrated below, and then plug the adapter into a power outlet.



Please be sure to use Andriod™ Smart Box with the included power adapter to avoid malfunctions.

Connect USB external storage devices

You can connect USB external storage devices, such as flash drives or 2.5” external hard drives, to Andriod™ Smart Box. For external hard drives, please make sure there is sufficient power supply and connect external hard drives to the USB port of Andriod™ Smart Box.



USB external storage device

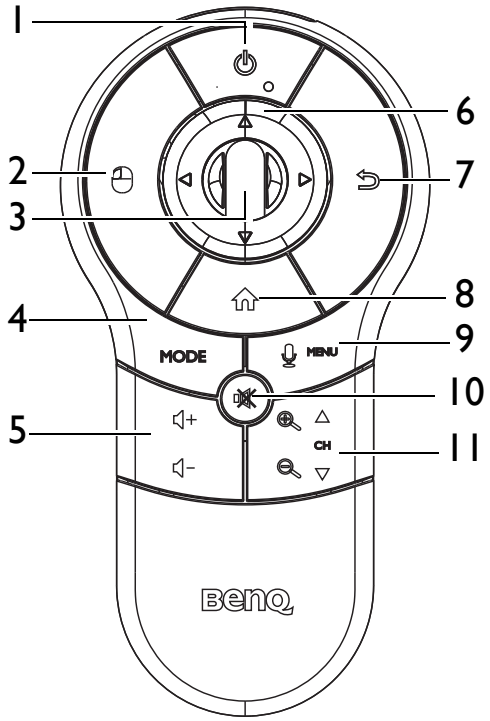
There is no guarantee of all USB external storage devices of any kind by every manufacturer to be compatible with Andriod™ Smart Box.

Use BenQ i-Remote

BenQ i-Remote functions

- Press **MODE** button and hold for 5 seconds to switch mode between Andriod™ Smart Box and TV.
- LED indicator blinks in green once when switched to Andriod™ Smart Box mode.
- LED indicator blinks in red once when switched to TV mode, and blinks in red once afterward with any button pressed.

When switched to TV mode, BenQ i-Remote can be operated as an exclusive BenQ TV remote control.



Item	Button name	Mode	Description
1	Power	Andriod™ Smart Box	Press to have Andriod™ Smart Box enter standby mode or back to normal mode.
		TV	Press to turn TV on or off.

Item	Button name	Mode	Description
2	Left	Andriod™ Smart Box	Work as the left button of mouse.
		Andriod™ Smart Box/TV	Press to confirm.
3	Scroll wheel	Andriod™ Smart Box	Scroll the wheel to move display area upward or downward.
	4-way control	Andriod™ Smart Box/TV	Push scroll wheel up, down, left, or right to select items on the screen. Press scroll wheel to confirm.
4	Mode	Andriod™ Smart Box/TV	Press and hold for 5 seconds to switch mode between Andriod™ Smart Box and TV.
5	Volume up/down	Andriod™ Smart Box/TV	Press to increase/decrease volume.
6	LED indicator	Andriod™ Smart Box	LED indicator blinks in green once when switched over.
		TV	LED indicator blinks in rec once when switched over, and blinks in red once afterward with any button pressed.

Item	Button name	Mode	Description
7	Right	Andriod™ Smart Box	Work as the right button of mouse.
		TV	Press to return to previous level of menu.
8	Home	Andriod™ Smart Box/TV	Press to back to the main screen.
9	Voice	Andriod™ Smart Box	Press to activate voice input in Google search or supported apps.
	Menu	TV	Press to display available items in the menu.
10	Mute	Andriod™ Smart Box/TV	Press to mute the sound, and press again to resume.
11	Enlarge/shrink	Andriod™ Smart Box	Press to enlarge/shrink display area if supported by apps. (Ex. Photo browsing apps)
	Channel up/down	TV	Press to switch channels.

Due to limited button functionality on the included BenQ i-Remote of Andriod™ Smart Box and various operations in apps, there is no guarantee to the included BenQ i-Remote well suited to all apps. You may choose external wired or wireless keyboard and mouse for assistance.

Notice on BenQ i-Remote operations

- Make sure the dongle accompanied with BenQ i-Remote is well inserted into Andriod™ Smart Box.
- Please contact BenQ service representatives if the dongle lost.
- Use BenQ i-Remote with top end directed to the dongle on Andriod™ Smart Box and press buttons.
- Use BenQ i-Remote with the dongle within 30 degrees of angle and less than 5 meters long.
- Do not cover the dongle or block with obstacles to let BenQ i-Remote and the dongle be in line of sight.
- Do not strike or drop BenQ i-Remote. Do not wet BenQ i-Remote or put it in damp. Do not expose BenQ i-Remote to direct sunlight. Scorching heat may damage BenQ i-Remote.
- The dongle may be malfunctioned when exposed to direct sunlight or the glare of the sun. Please change the light source or the angle, or please use BenQ i-Remote with the dongle approximatively.
- To wake up Andriod™ Smart Box in sleep mode, use BenQ i-Remote with top end directed to the dongle and press buttons.
- The LED indicator on BenQ i-Remote flashes in red when the battery power is running out, and stops flashing when drained.

Notice on battery usage

Battery misapplications may lead to chemical leakages or explosions. Please be noted with followings.

- Please make sure electrodes are placed correctly as marked when install battery.
- Replace a new battery immediately when the old one exhausted.
- Remove battery from BenQ i-Remote if not using BenQ i-Remote for a long time.
- Chemicals leaked from battery may cause skin irritation and corrode metal contacts. Use a dry cloth to clean up and change the battery immediately if any leakage from the battery.
- Please check or change the battery in BenQ i-Remote regularly to avoid battery leaks resulted in damage.

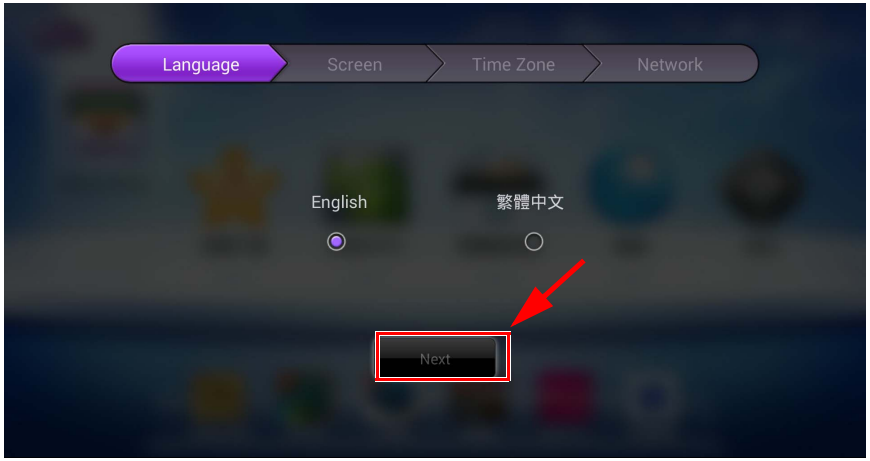
Basic operations

Initial setup

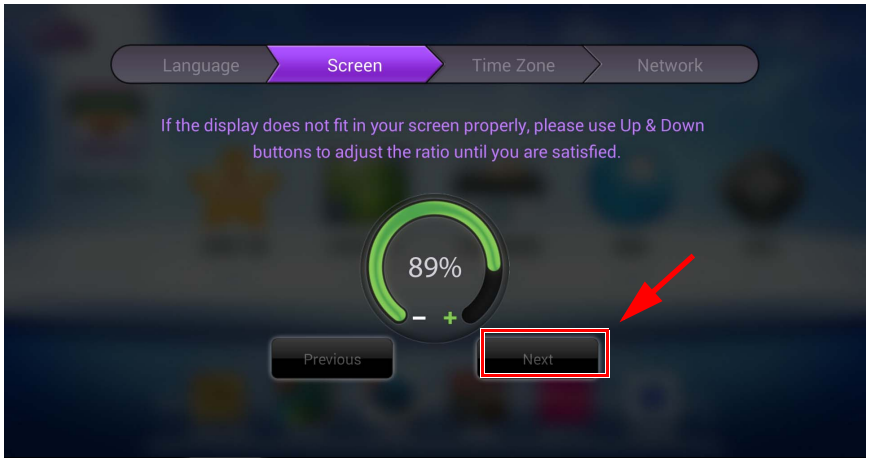
Before using your Andriod™ Smart Box for the very first time, you will have to configure settings such as language, display, network, and so on. Confirm items below before proceed.

- You have correctly connected power supply, BenQ i-Remote, and HDMI of Andriod™ Smart Box to display.
- If you wish to use Andriod™ Smart Box with wireless network, please make sure your have an SSID and its password in hand.

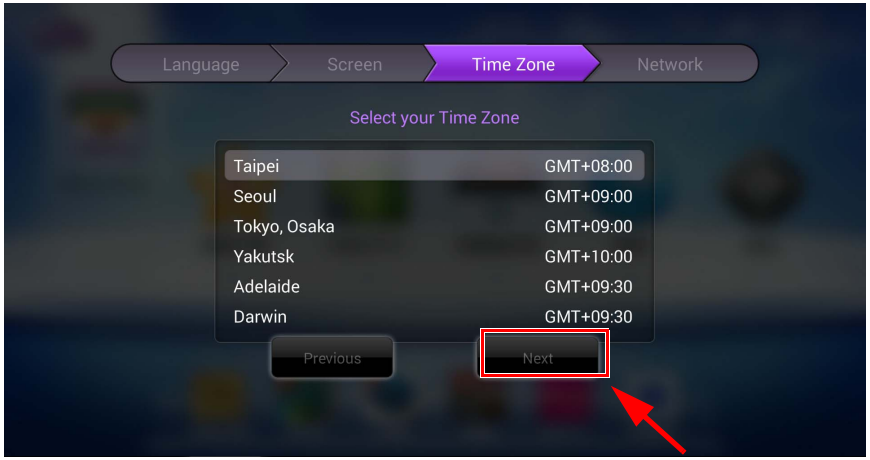
1. Turn on your display and switch input signal to the HDMI port that Andriod™ Smart Box occupied. Refer to manuals of display for switching signals.
2. Andriod™ Smart Box should be self-started up when power supplied. A welcome screen appears when done starting up. Please select preferred language and then select **Next**.



3. You will be directed to TV display layout setting then. Please use BenQ i-Remote to adjust the ratio of display area. Please select **Next** when finished.

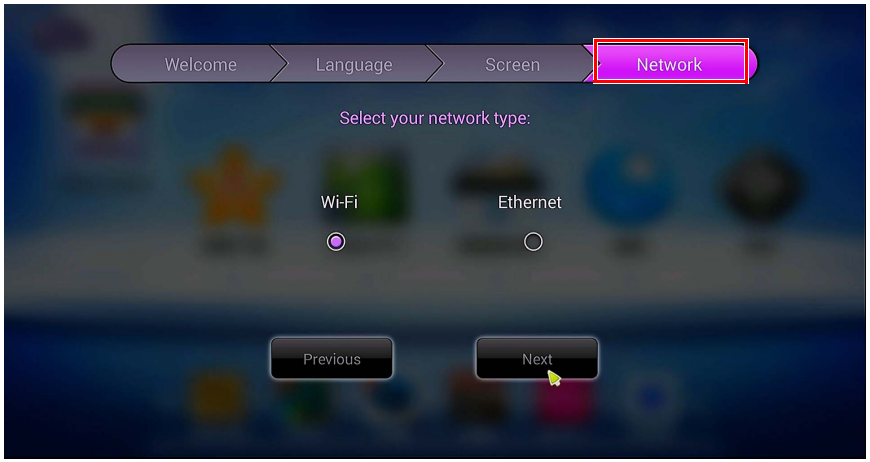

Language
Screen
Time Zone
Network
If the display does not fit in your screen properly, please use Up & Down buttons to adjust the ratio until you are satisfied.
89%
Previous
Next

4. You will be directed to time zone setting then. Please use BenQ i-Remote to select your time zone. Please select **Next** when finished.

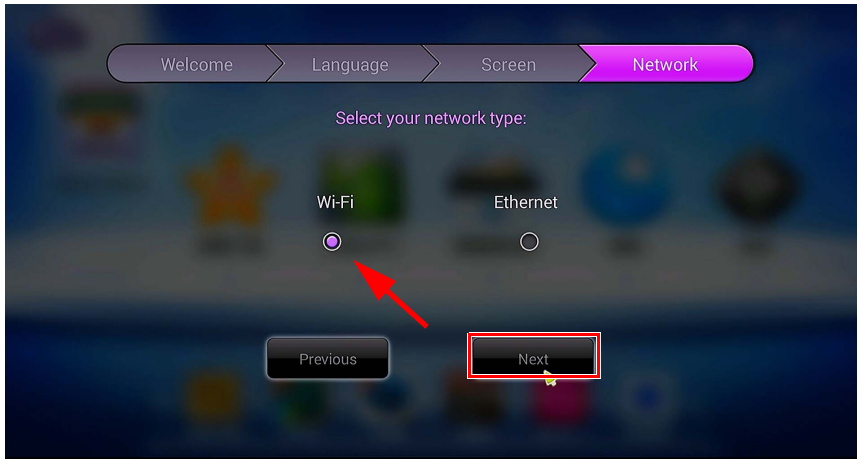


5. You will be directed to network settings.

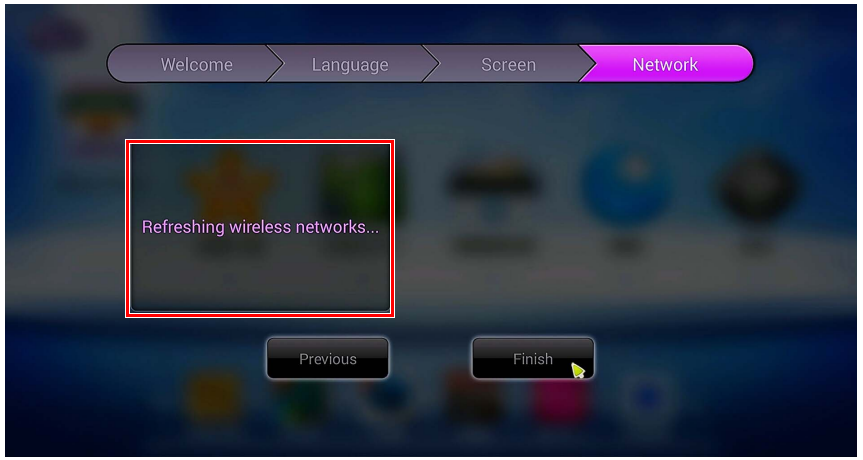
   Following setting exemplifies Wi-Fi networking on Andriod™ Smart Box. Please make sure you have available and operative SSIDs in hand.



6. Please select **Wi-Fi**, and select **Next**.

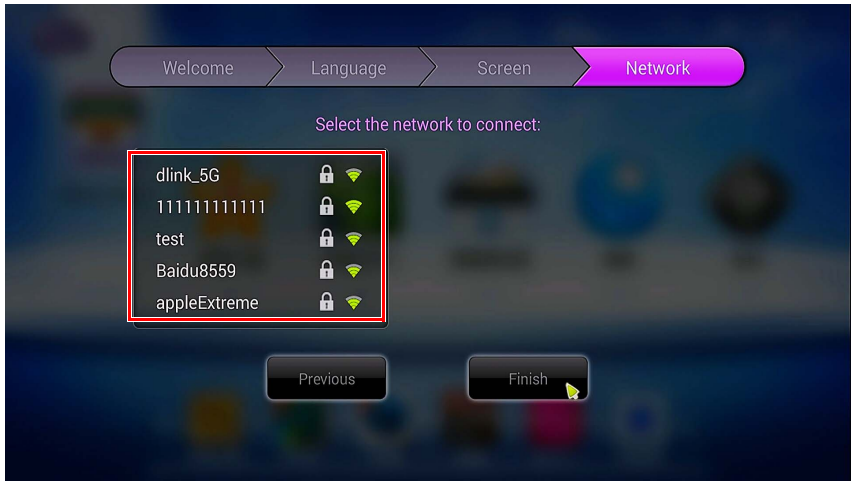


7. Andriod™ Smart Box should begin to scan for SSIDs.



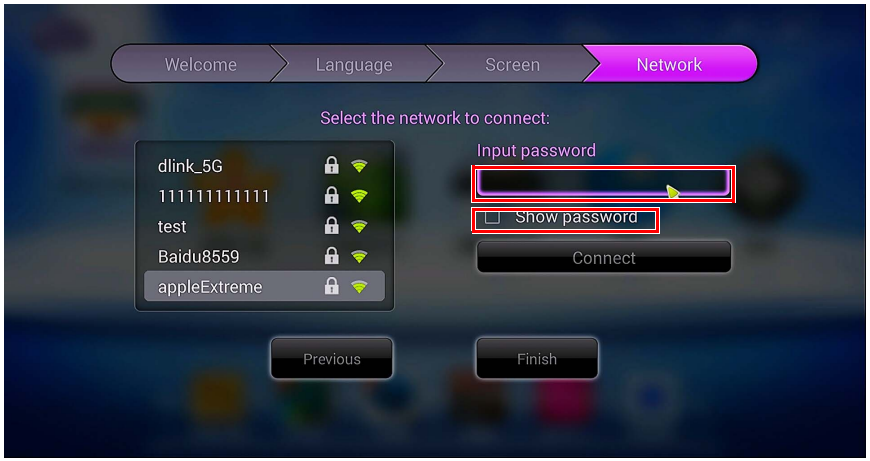
8. Discovered SSIDs with signal strength and availability will be listed on the screen when done scanning. Password required SSids are presented with a lock icon by signal strength.

   Please select your SSID.

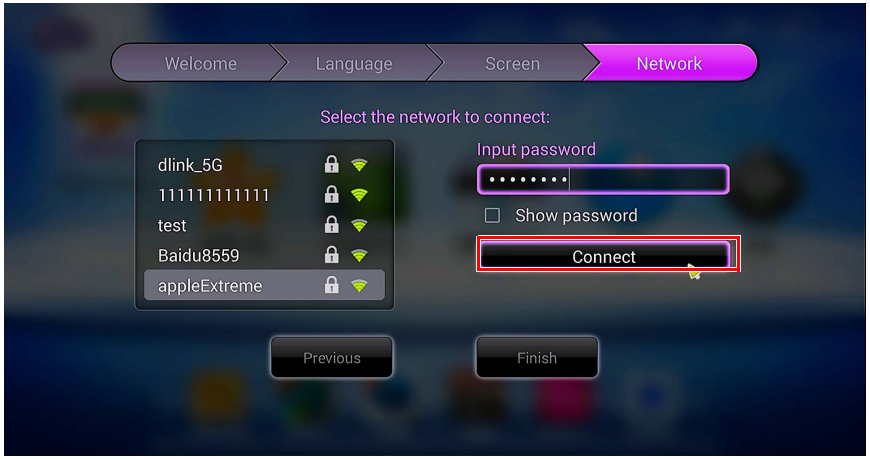


Please make sure you have selected an SSID with a good signal strength for effortless file transmission.

9. If your SSID requires password, you will be asked for the password. You may tick **Show password** to reveal for verifications.



10. Select **Connect**. Andriod™ Smart Box will attempt to connect to the selected SSID. If succeeded, the selected SSID should be designated by **Connected** in the list.



11. You have completed the initial setup so far. Please select **Finish**.

12. After initial setup, you will be directed to the main screen as illustrated.

You may directly perform desired apps or functions here. At the bottom are favorite apps for quick pick.

Not all apps are good for use with LCD displays in large size.

Switch modes of Andriod™ Smart Box

Press power button on BenQ i-Remote again to have Andriod™ Smart Box enter power saving mode.

Press power button again on BenQ i-Remote to have Andriod™ Smart Box enter normal initiation mode. Once normal initiation mode completed, the main screen appears.

Take shortcuts

To enable shortcuts, select **Setup** > **Display** and set **Hide Status Bar** off.

There are several icons of auxiliary shortcuts at the bottom of the screen (the main screen excluded) available for your convenience to save time.

These auxiliary shortcuts are available for use with external mouse only.

- Click on to back to previous page or quit the current app. (Not applicable to all apps.)
- Click on to back to the main screen immediately.
- Click on to display a list of recent used apps. You may click on thumbnails in the list to use apps.

- Click on to capture current screen and store in **storage** >> **sdcard0** >> **Pictures** >> **Screenshots**.
- Click on or to increase or decrease sound volume.
- Click on for available items of the current screen or app.
- Click on to shut virtual keyboard. (If virtual keyboard appears on screen.)

Adjust system volume

You may adjust system sound volume by following methods:

1. Press volume up/down button on BenQ i-Remote.
2. Click on auxiliary icons or at the bottom of the screen.

Update Andriod™ Smart Box software

System software of your Andriod™ Smart Box will be updated from time to time to provide the latest and versatile features. By default, once connected to the Internet, if available, Andriod™ Smart Box will automatically download the latest software from the server and proceed installation. If you want to manually check, download, and install the software, please follow the steps below.

Manually check and update

1. Make sure Andriod™ Smart Box is connected to the Internet.

2. Select **All APPs** > **Upgrade** and tick off **Automatic update**.

3. Select **Manual update now** and proceed with instructions on the screen.

Update from downloaded software file

1. Store downloaded software file on the root directory of memory card and insert the card into the slot of Andriod™ Smart Box

2. Select **Local update** and select the downloaded file in the next page.

3. Proceed with instructions on the screen.

- **Automatic update**, **Local update**, and **Manual update now** will erase all self-installed apps. Be sure to back up all self-installed apps beforehand.
- If you choose to update from self-downloaded software file, please be noted to keep from power outages while update in progress; otherwise it will result in update failure and booting errors.
- You can install software files released by BenQ only. Users are responsible for data loss and system failures resulted from unauthorized software files.

Restore to factory defaults

Restoring to factory defaults brings back each default configuration to Andriod™ Smart Box.

1. To restore to factory defaults, please select **Setup** > **Advanced** > **More Settings** > Personal > **Reset** > **Factory data reset.**

2. Andriod™ Smart Box will begin to restore to factory defaults. Initial setup screen appears when restoring completed. Refer to Initial setup (page 25) to proceed initial setup.

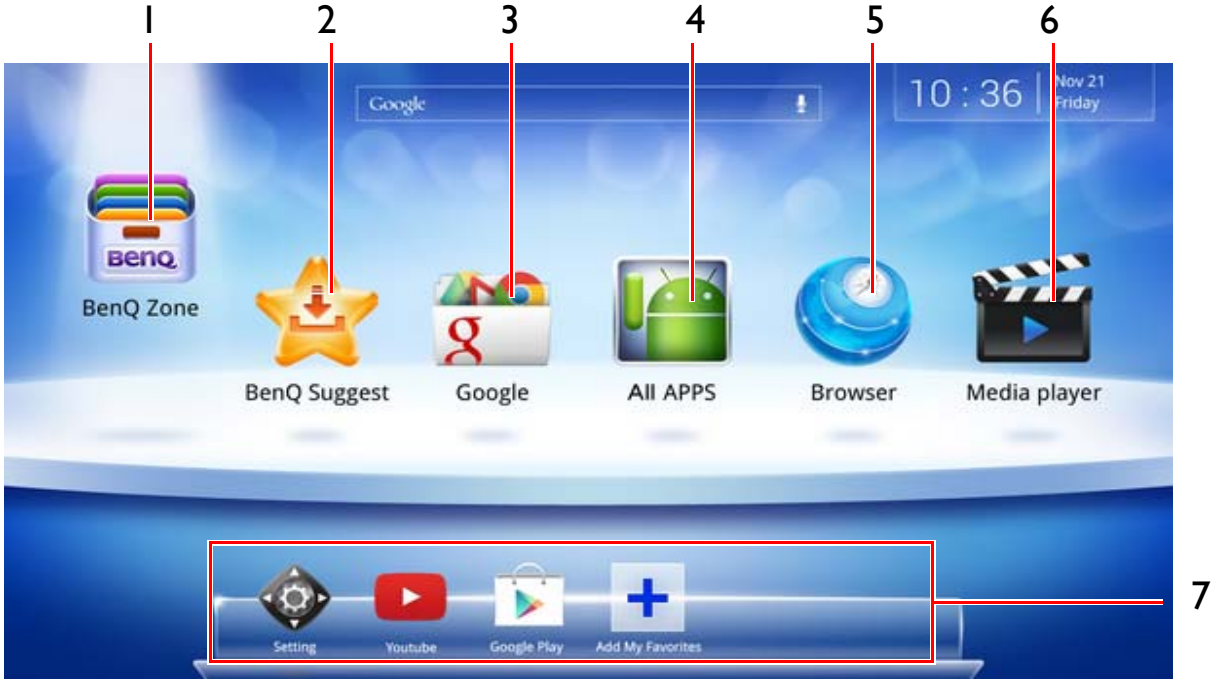
It is strongly recommended to backup everything important on your Andriod™ Smart Box before restoring to factory defaults.

Use apps

Main screen

After finished initial setup or every time you turned on Andriod™ Smart Box, the main screen appears as below. You may press home button on BenQ i-Remote to return the main screen at once while using other apps.

Use scroll wheel on BenQ i-Remote to select a desired app or function and press OK button to confirm.

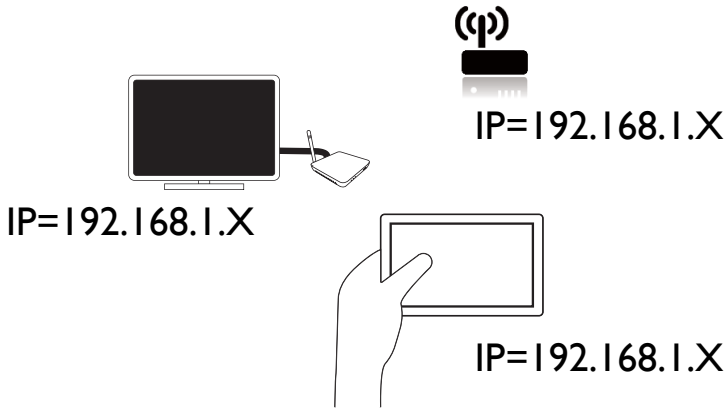


Item	Name	Description
1	**BenQ Zone**	Select to choose a variety of apps by BenQ for your Andriod™ Smart Box.
2	**BenQ Suggest**	Select to choose a variety of apps by BenQ for your smart devices.
3	**Google**	Select to launch Google apps.
4	**All APPs**	Select to launch the list of all installed apps.
5	**Browser**	Select to browse the Internet as if with a computer.
6	**Media Player**	Select to manipulate media files playback and management via Video Player, PiQture, QissMusic, and **Media center**.
7	**Favorite apps**	Select to choose from listed favorite apps for quick pick.

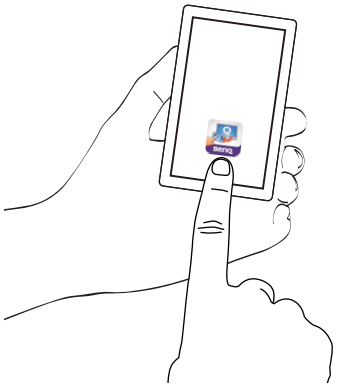
Use smartphones or tablets as a mini touch panel of Andriod™ Smart Box (**Screen Link**)

Not only can **Screen Link** work as a remote control for media playing, but also as a pad controller for superior gaming experience especially when applicable to the accelerometer or the gyro. **Screen Link** supports smart devices with Android™ 4.0 / iOS™ 6.0 or later, and you can download it via Google Play™ or App Store to turn your smart device to a mini touch panel of Andriod™ Smart Box.

1. Make sure your smartphone or tablet and Andriod™ Smart Box are in the same subnet of local area network.



2. Click on the icon of **Screen Link** on your smartphone or tablet.



3. You should be able to see everything on your smartphone or tablet exactly the same as on your TV screen, and you can use your smartphone or tablet as a mini touch panel to operate your Andriod™ Smart Box by now.

4. Only at a time can one smart device with **Screen Link** remotely manipulate one Andriod™ Smart Box. You have to drop the current connection between the smart device and Andriod™ Smart Box to establish another if you wish to remotely manipulate another Andriod™ Smart Box in hand. To do so, simply press

on your smart device to pick a Andriod™ Smart Box from the list.

- Screen Link streams contents of Andriod™ Smart Box in 480p resolution to the smart device. If the native screen resolution of the smart device is higher than 480p, characters or graphics may be looked fragmented.
- Your smart device and Andriod™ Smart Box must be in the same local network such as connecting to the same wireless access point before establishing connection.

Use smartphones or tablets as the remote controller (**BenQ Smart Remote**)

Other than BenQ i-Remote, external keyboard, and mouse, if you own a smart device such as a smartphone or a tablet, you may install **BenQ Smart Remote** on your smart device to manipulate each function of Andriod™ Smart Box conveniently and intuitively.

1. Make sure you have Andriod™ Smart Box connect to the Internet.
2. At the main screen of Andriod™ Smart Box, select **BenQ Suggest > BenQ Smart Remote** and choose from the operating system icon respective to your smart device to download the app.
3. A QR code will be revealed on the display with a text field for e-mail address input. Use your smart device to scan the QR code and directly download the app or input an e-mail address to send the link to download **BenQ Smart Remote** to your e-mail account. Open the mail and click on the link to proceed installation.
4. Launch **BenQ Smart Remote** on your smart device.
5. You will be requested for the IP address of Andriod™ Smart Box. Please check the IP address of Andriod™ Smart Box, at the main screen, by selecting **Setup** > **Network**. The actual IP address varies from your network environment.

6. Input Andriod™ Smart Box's IP address to your smart device and select **OK**. If connection established, the layout of **BenQ Smart Remote** will appear on your smart device.

- Your smart device and Andriod™ Smart Box must be in the same local network such as connecting to the same wireless access point before establishing connection.
- Only at a time can one smart device with **BenQ Smart Remote** remotely control Andriod™ Smart Box. You have to drop the current connection between the smart drive and Andriod™ Smart Box to establish another if you wish user the other smart device to remotely control Andriod™ Smart Box.
- **BenQ Smart Remote** for smart device supports Android™ 4.0 / iOS™ 6.0 or later.

BenQ Smart Remote operation modes

BenQ Smart Remote provides 3 operation modes: remote controller mode, cursor mode, and text mode. You may switch to the mode suits you best depending on features and the necessity of each app for your handy operation.

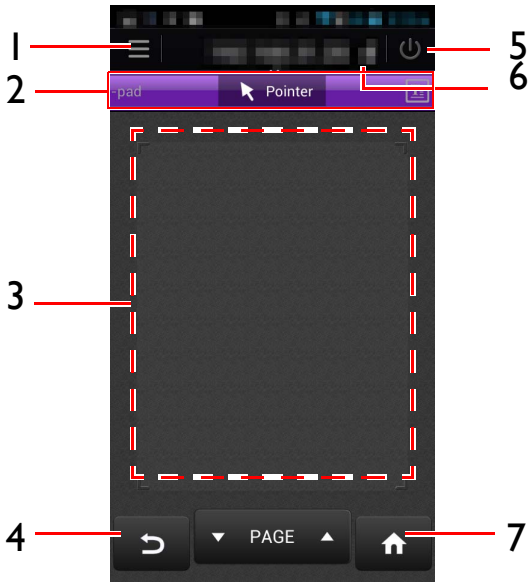
Remote controller mode

Tap to launch **BenQ Smart Remote**. Once connected, the app enters remote controller mode by default. The layout in remote controller mode is illustrated as below.

Item	Description
1	Tap this button and swipe right to reveal **BenQ Smart Remote** properties and information as well as set cursor speed.
2	Tap this button to switch modes among remote controller, cursor, and text.
3	Tap this button to decrease system volume.
4	Tap 4-way control (up, down, left, right) to select items on the screen. Tap OK to confirm.
5	Tap this button to back to previous page or previous level of menu.
6	Tap these 4 color buttons for certain functions where available in apps.
7	Tap these buttons for photo or video playback where available in apps.
8	Tap this button to have Andriod™ Smart Box enter standby mode.
9	Tap this button to mute. Tap again to resume.
10	Tap this button to increase system volume
11	Tap this button to back to the main screen.

Cursor mode

Cursor mode enables you to use Andriod™ Smart Box intuitively just like manipulation with putting fingers on a touch panel for. The layout in cursor mode is illustrated as below.

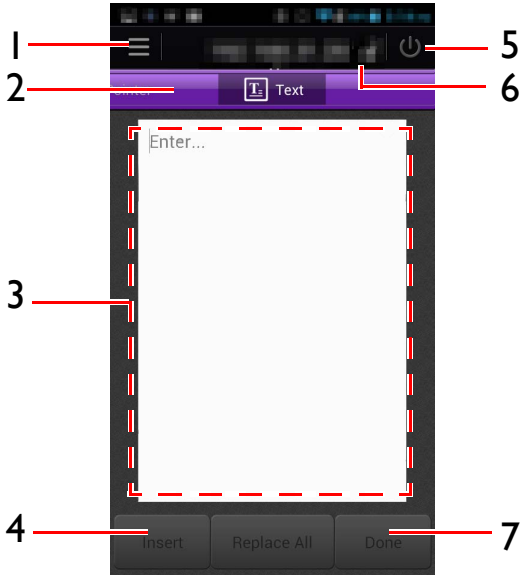


Item	Description
1	Tap this button and swipe right to reveal **BenQ Smart Remote** properties and information as well as set cursor speed.
2	Tap this button to switch between modes in remote controller, cursor, and text.

Item	Description
3	This area is a simulated touch panel. You can put your fingers on this area to tap, drag, swipe, stretch, or pinch items on Andriod™ Smart Box just like using touch panels on smart devices. Use both fingers simultaneously swiping up and down on this area for scrolling web pages.
4	Tap this button to back to previous page or previous level of menu.
5	Tap this button to have Andriod™ Smart Box enter standby mode.
6	Tap this button to mute. Tap again to resume.
7	Tap this button to back to the main screen.

Text mode

Text mode enables you to input characaters quickly and conveniently. For text input, please move cursor to the text field before switching to text mode. The layout in text mode is illustrated as below.



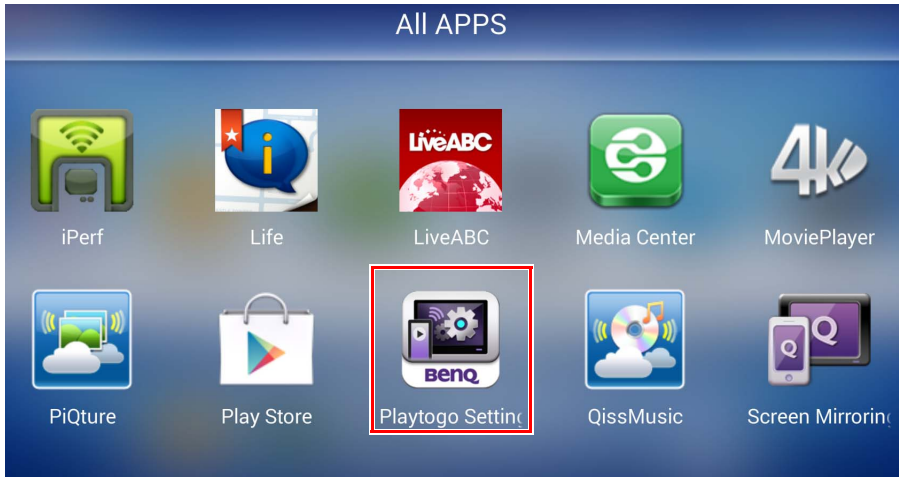
Item	Description
1	Tap this button and swipe right to reveal **BenQ Smart Remote** properties and information as well as set cursor speed.
2	Tap this button to switch between modes in remote controller, cursor, and text.
3	Tap this rectangle to input characters.

Item	Description
4	Tap this button to insert characters in the rectangle into the text field.
5	Tap this button to have Andriod™ Smart Box enter standby mode.
6	Tap this button to mute. Tap again to resume.
7	Given selected characters in the text field, tap this button to replace selected characters with characters in the rectangle.

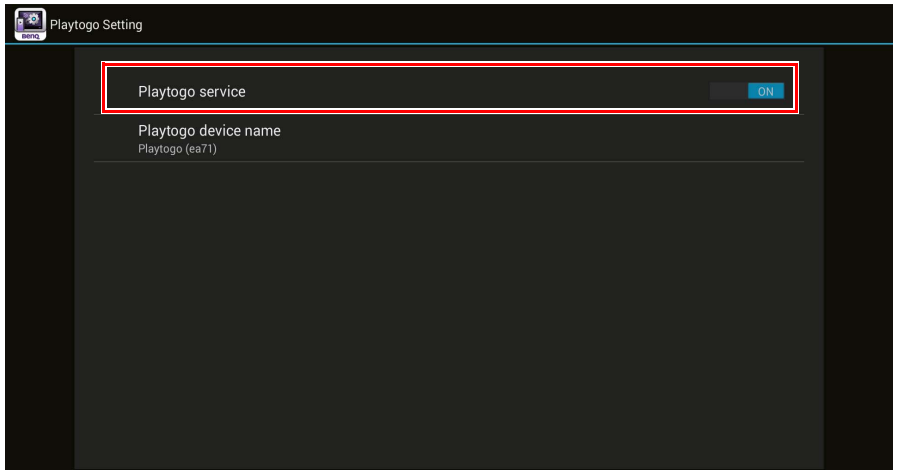
Stream videos on the Internet to Andriod™ Smart Box for playback (**PlayToGo**)

With **PlayToGo** app, you can stream videos on smart devices with touch panels to your Andriod™ Smart Box to watch your family together.

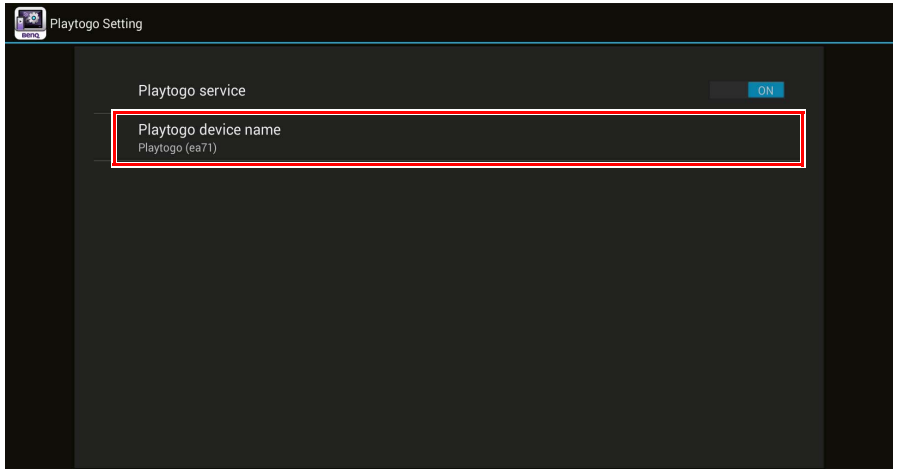
1. Make sure your Andriod™ Smart Box has connected to the Internet.
2. At the main screen of Andriod™ Smart Box, select **All APPs** > **PlayToGo settings**.



3. Select **PlayToGo service** to enable the function. Once the status changed to enabled, the function is now working.

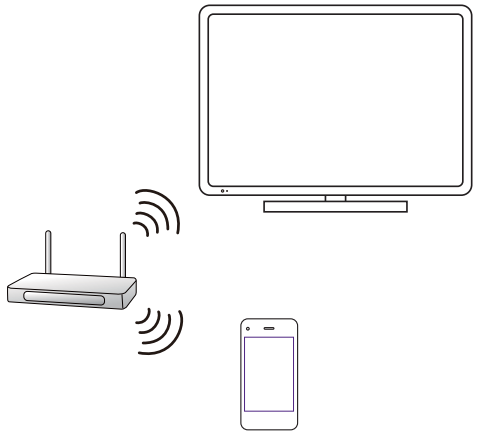


4. Default name is Playtogo + (the last 4 characters of your Andriod™ Smart Box's MAC address). If you wish to rename, select **PlayToGo device name** to rename it. You smart device will use the function by discovering the name.

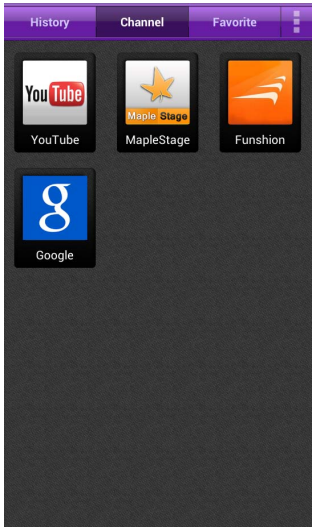


5. Make sure you have downloaded and installed **PlayToGo** app from online app store to your smart device.

6. Please make sure your Andriod™ Smart Box and smart device are in the same local network such as connecting to the same wireless access point and networking is available.



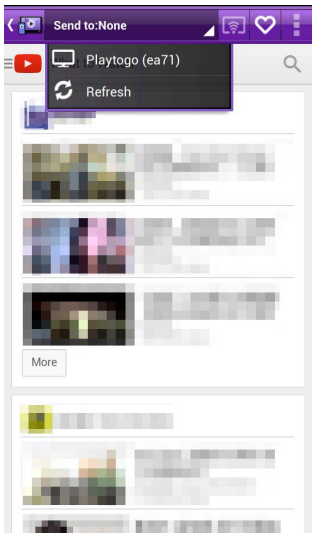
7. Launch **PlayToGo** app on your smart device. The help screen appears if first launch. Shut the help screen to proceed to channel list of **PlayToGo**.



The layout varies from operating systems respective to the smart devices.

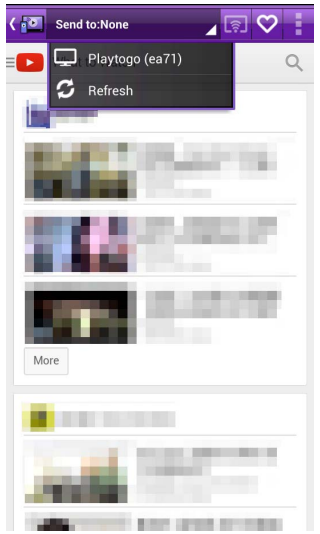
Channels on the list update occasionally.

8. Select a channel on your smart device and tap to play the video and transfer the content to the playback device.
   Select **Send to** for the playback device name, which is the name you set in step 4, at top of the screen if first stream.



Tap ■ to stop video playing.

9. To change playback content, use the back function on smart devices to back to the channel list, pick the video to be played, and tap at the top side to start video streaming.



It is recommended to control playback via **BenQ Smart Remote**. Launching **BenQ Smart Remote** at **PlayToGo** varies from operating systems. If iOS™, tap **BenQ Smart Remote** at bottom right, whereas, if Android™, tap > **BenQ Smart Remote**at top right. Please refer to Use smartphones or tablets as the remote controller (BenQ Smart Remote) (page 40) for more details.

Once video streaming begins, your smart device can be manipulated as usual and unaffectedly.

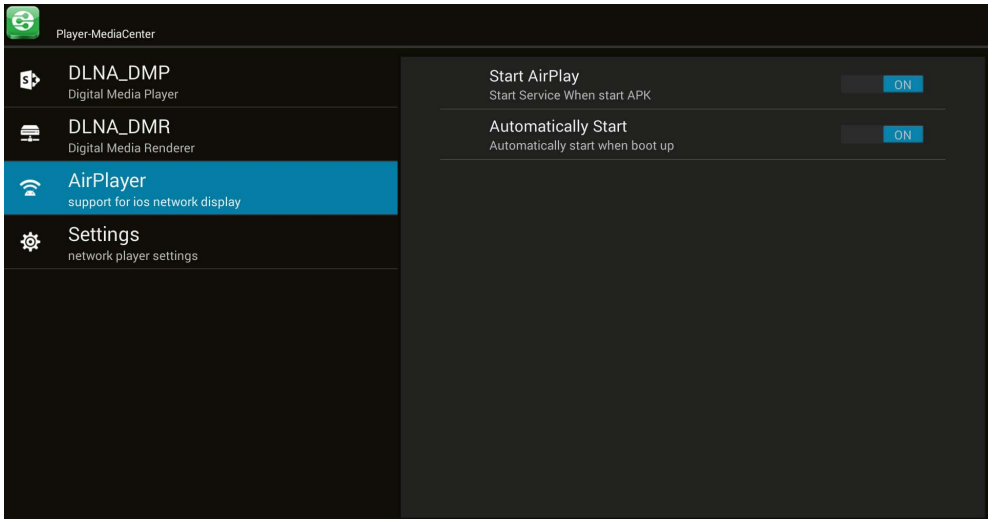
Stream multimedia files to Andriod™ Smart Box for playback

Your Andriod™ Smart Box is a DLNA compatible playback device of multimedia contents including videos, audios, and photos on DLNA devices such as smartphones, tablets, or computers in the local network.

It is recommended to utilize **BenQ Smart Remote** for playback when media transmitted to Andriod™ Smart Box. Please refer to Use smartphones or tablets as the remote controller (BenQ Smart Remote) (page 40) for details.

Stream from smartphones/tablets (applicable to iOS™ devices as AirPlay™)

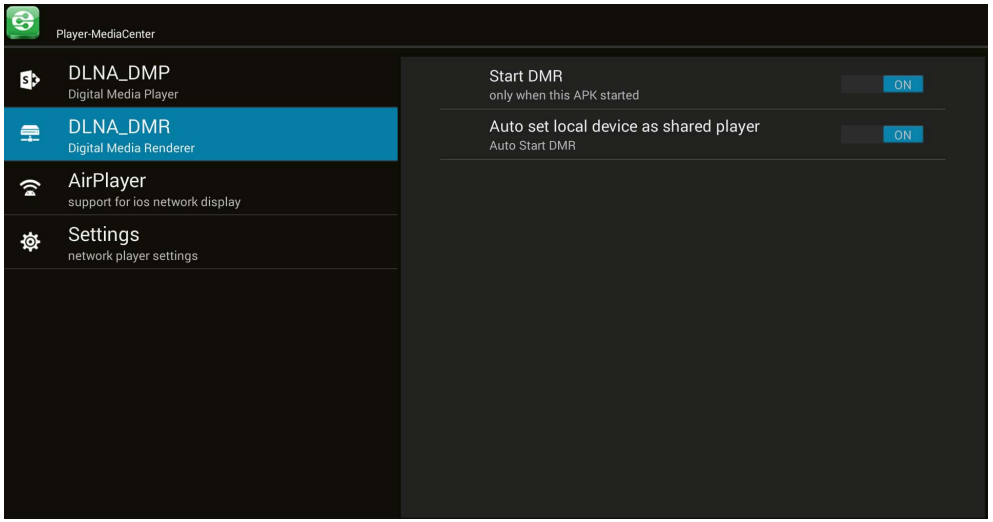
1. Please make sure both your Andriod™ Smart Box and iOS™ device are turned on.
2. Please make sure both Andriod™ Smart Box and the iOS™ device are in the same local network such as connecting to the same wireless access point and networking is available.
3. Please make sure you have turned on the function by selecting **Media Player** > **Media center** > **Airplayer**.



4. Select the media file to be played in the app on the iOS™ device and tap to pick a playback device.
5. Tap Andriod™ Smart Box as the playback device and the selected media file will be streamed and started playing on Andriod™ Smart Box.

Stream from smartphones/tablets (applicable to Android™ devices)

1. Please make sure your Andriod™ Smart Box and Android™ device are turned on.
2. Please make sure both Andriod™ Smart Box and the Android™ device are in the same local network such as connecting to the same wireless access point and networking is available.
3. Please make sure you have turned on the function by selecting **Media Player** > **Media center** > **DLNA_DMR**.



4. Please make sure you have downloaded and installed the applicable DLNA app such as BubleUPnP from online app store to your Android™ device.

5. Tap and open the DLNA app on your Android™ device, and make sure your Android™ device is capable of identifying the playback device, Andriod™ Smart Box. Select the media file to be played on your Android™ device. The graphic user interface layout varies from Android™ devices. The selected media file will be streamed and started playing on Andriod™ Smart Box.

The default name of Andriod™ Smart Box is set as “W-Fi MAC address + JM-250”. If there are many Andriod™ Smart Boxs coexisting, and you wish to confirm the one to transmit, you may check Wi-Fi MAC address of the Andriod™ Smart Box at **Main Screen** > **Settings** > **Advanced** > **More Settings** > **SYSTEM** > **About device** > **Status**.

Play files from external devices on Andriod™ Smart Box

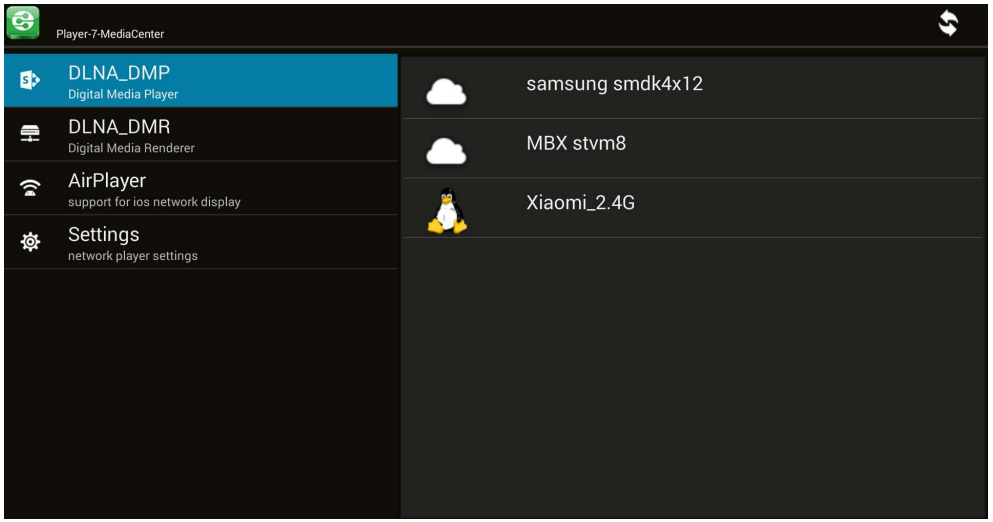
With an appropriate DLNA app, your Andriod™ Smart Box will be able to serach and play media files stored on other devices.

It is recommended to utilize **BenQ Smart Remote** for playback when media transmitted to Andriod™ Smart Box. Please refer to Use smartphones or tablets as the remote controller (BenQ Smart Remote) (page 40) for details.

Play files from smartphones/tables on Andriod™ Smart Box

1. Please make sure your Andriod™ Smart Box and smartphone/tablet are turned on.
2. Please make sure your Andriod™ Smart Box and smartphone/tablet are in the same local network such as connecting to the same wireless access point and networking is available.
3. Please make sure you have downloaded and installed the applicable DLNA app such as BubleUPnP from online app store to your smartphone or tablet to share files.

4. Tap and open the DLNA app on your smartphone/tablet, select Andriod™ Smart Box as the playback device, and grant permission to Andriod™ Smart Box to access files in your smartphone/tablet by selecting **Media Player** > **Media center** > **DLNA_DMP**.



5. On your Andriod™ Smart Box, tap the name of your smartphone/tablet in **Media Player** > **Media center** > **Media Player**.
   You have setup the connection between your smartphone/tablet and Andriod™ Smart Box for media files on smartphone/tablet playback via Andriod™ Smart Box. Manipulation differs from apps. Please refer to the user guide of the app for details.

Play files from computers on Andriod™ Smart Box

1. Please make sure your Andriod™ Smart Box and computer are turned on.
2. Please make sure your Andriod™ Smart Box and computer are in the same local network such as connecting to the same wireless access point and networking is available.
3. Please make sure you have downloaded and installed the applicable DLNA app such as PS3 Media Server to your computer to share files.
   Launch the installed DLNA application on your computer, and make sure the computer has discovered the playback device, Andriod™ Smart Box. For further settings on browsing and sharing, if required, please carry out at the time being. Please refer to the user guide of the application for details.
4. Select **Media Player** > **Media center** > **DLNA_DMP** at the main screen of Andriod™ Smart Box, and make sure your computer name is in the device list.
   You have setup the connection between your computer and Andriod™ Smart Box for media files on the computer playback via Andriod™ Smart Box. Manipulation differs from apps. Please refer to the user guide of the app for details.

Rename device name of Andriod™ Smart Box

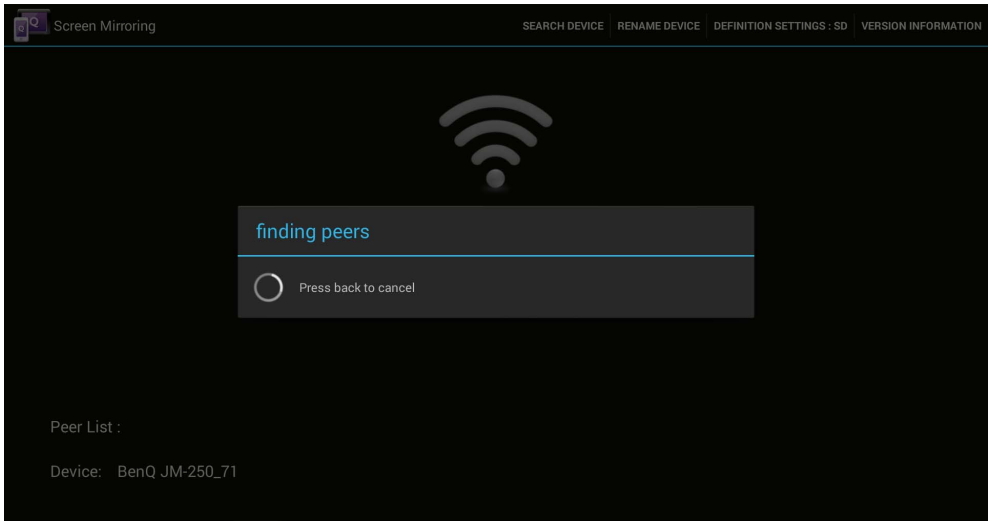
The default name of Andriod™ Smart Box is set to JM-250. If you wish to rename it, please set the new name by selecting **Main Screen**> **Media Player** > **Media center** > **Settings** > **Target name** 。

Use Screen Mirroring

Adopting Wi-Fi Direct technology, **Screen Mirroring** enables smart devices with Android™ 4.2 or later to mirror their screens to Andriod™ Smart Box without any intermediate equipment.

To use **Screen Mirroring**:

1. At Andriod™ Smart Box, select **All APPs** > **Screen Mirroring**.



2. At your smart device, select the term Miracast™ or similar, and then select the device name of Andriod™ Smart Box as labled after “Device:” in the sketch above. A request for permission to connect will be prompted.

3. Once permission granted, the connection will be established and the screen on your smart device will be mirrored to Andriod™ Smart Box. The device name of your smart device will be listed after “Peer List:” as in the sketch above.

Due to hardware divengence and software discrepancy, not every smart device with Andriod™ 4.2 or later is compatible with Screen Mirroring.

Pre-installed apps guide

Andriod™ Smart Box contains pre-installed apps. You can launch some of them at the main screen, or select **All APPs** to launch the list of all installed apps.

Pre-installed apps in Andriod™ Smart Box vary from your region. You may obtain more apps from online app stores. Sample pre-installed apps in Andriod™ Smart Box are listed as below.

Item	Description
APP Installer	Select to directly install apk files in internal memory of Andriod™ Smart Box, the memory card, or the external USB storage device.
BenQ Suggest	Select to view apps recommended by BenQ.
Browser	Select to browse the Internet as if with a computer.
Calculator	Select to engage calculations.
Calender	Select to set calendars synchronized with google accounts.
CEC VSC Test	For service personnel only.
Chrome	Select to browse the Internet by Google.
Clock	Select to display time and set alarms.
DocQman	Select to browse, manage, or open files in internal memory of Andriod™ Smart Box, the memory card, or the external USB storage device.

Item	Description
Downloads	Select to browse and access downloaded files from the Internet.
Drive	Select to use the file storage and synchronization service provided by Google.
Education	Select to enjoy entertainment news and the latest knowledge in videos for the family.
Email	Select to send and receive e-mails once configured. Suppoted protocols are POP3, IMAP, and Exchange.
Entertainment	Select to catch the latest entertainment news in videos.
Gmail	Select to send and receive e-mails by Google.
Google	Select to use the intelligent personal assistant developed by Google
Google Setting	Select to configure service settings of Google.
Google+	Select to use the social networking operated by Google.
Handouts	Select to use instant messaging and video chat platform developed by Google.
Initial Setup	Select to engage initial settings of the device.
iperf	For service personnel only.
Maps	Select to use the web mapping service application and technology provided by Google.

Item	Description
Media Center (Airplay inside)	Select to play media files on other DLNA servers, or allow other DLNA devices to play media files in Smart Stick. Refer to Stream multimedia files to Andriod™ Smart Box for playback (see page 53) for more details.
Photos	Select to use the photo service by Google.
PiQture	Select to play photo files in internal memory of Andriod™ Smart Box, the memory card, or the external USB storage device.
Play Books	Select to search or purchase books in Google Play™.
Play Games	Select to search or purchase games in Google Play™.
Play Movies & TV	Select to search or purchase movies or TV programs in Google Play™.
Play Music	Select to search or purchase music in Google Play™.
Play Newsstand	Select to search or purchase books in Google Play™.
Play Store	Select to search, install, or purchase apps in Google Play™.
Playtogo setting	Select to setup playing videos from smartphones or tablets.
QissMusic (Music Player)	Select to play music files in internal memory of Andriod™ Smart Box, the memory card, or the external USB storage device.

Item	Description
Screen Mirroring	Select to enable smart devices with Android™ 4.2 or later to mirror their screens to Andriod™ Smart Box without any intermediate equipment.
Search	Select to search for webpages and pictures over the Internet via Google search engine with keywords.
Settings	Select to set software and hardware configurations. Refer to Settings (page 66) for more details.
Upgrade	Select to download and install the most updated apps for Andriod™ Smart Box. Refer to Update Andriod™ Smart Box software (page 32) for more details.
Voice Search	Select to search for webpages and pictures over the Internet via Google search engine with keywords via voice input.
YouTube	Select to search and watch online videos in YouTube.

- You can install or uninstall apps, but you cannot erase or uninstall pre-installed apps in Andriod™ Smart Box.
- To uninstall apps, select **Setup** > **Advanced** > **More Settings** > **Device** > **Apps** or select apps to be uninstalled in Downloaded tag, and select **Uninstall**.
- Not all apps of smartphones or smart devices are good for use with LCD displays in large size.
- Apps in the app list is sorted in alphabetic order and restored when new apps installed.

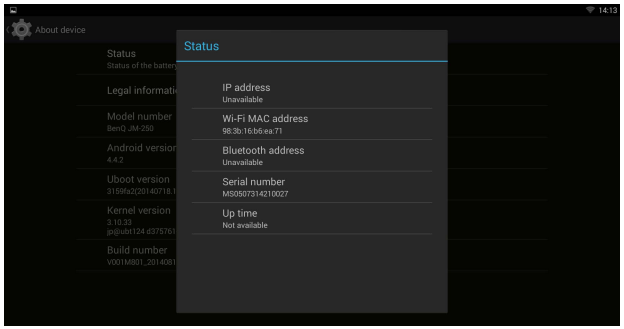
Settings

Select **Setup** > **Advanced** > **More Settings** at the main screen to adjust software and hardware configurations of Andriod™ Smart Box. Available items vary from system status. Unavailable items are grayed out.

Wireless & networks

Item	Description	
Wi-Fi	Switches for wireless network connectivity. Informs a list of available Wi-Fi networks once switched on.	
Bluetooth	Switches for Bluetooth connectivity. Informs a list of available Bluetooth connections s once switched on.	
Ethernet	Switches for Ethernet networking. Configures Ethernet networking.	
Data usage	Reveals uploaded and downloaded data usages of each app in Smart Stack during a certain period.	
More...	VPN	Configures and manages virtual private network （VPN）。

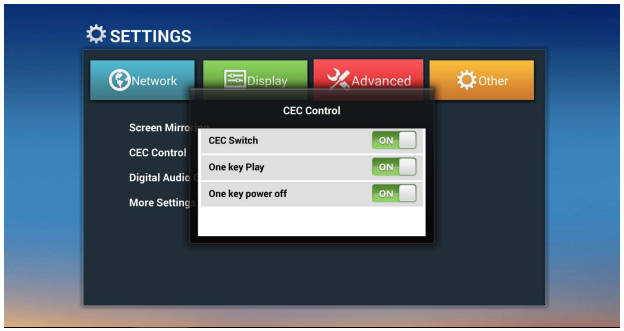
For MAC address and other network informtion, please select **Setup** > **Advanced** > **More Settings** > **System** > **About device** > **Status**.



Device

Item	Description	
Sound	Touch sounds	Switches for sound effects of selecting items on the screen.
Display	Font size	Sets font size on the screen.
Storage	Reveals total space of every available memory and occupied storage space.	
Apps	Reveals all installed apps on Andriod™ Smart Box including downloaded apps and executing apps.	
Permissions	Grants or denies apps to access resources and intelligence.	

For CEC control, please select **Setup** > **Advanced** > **CEC Control**.



Personal

Item	Description	
Location Access	Switches for location-based apps to access your location. Certain apps require your location data to provide services. For example, by access the location of your Andriod™ Smart Box, restaurants in the proximity can be revealed.	
Security	Administrates apps installation acknowledgment and manages credential storage.	
Language & input	Language	Sets the language for Andriod™ Smart Box.
	Keyboard & input method	Sets keyboards and input methods.
	Mouse / Trackpad	Sets pointer speed.
Reset	Factory data reset	Erases everything on Andriod™ Smart Box and restores Andriod™ Smart Box to factory defaults.

Accounts

Item	Description
Add account	Manages accounts and available services on Andriod™ Smart Box. You can administer accounts associated with Google, Facebook, and e-mail as well as decide information synchronization types of each account.

System

Item	Description	
Date & time	Automatic date & time	Switches for Smart TV Box to synchronize date and time over the Internet.
	Set date	Sets date manually when Automatic date & time disables.
	Set time	Set time manually when Automatic date & time disables
	Select time zone	Sets current time zone manually.
	Use 24-hour format	Sets time format to 24-hour clock.
	Choose date format	Sets date format manually.
Developer options	Provides advanced options for system developers.	
About device	Reveals Smart TV Box network status and software properties.	

Only when the Internet is available can Smart TV Box synchronize date and time correctly.

Frequently asked questions and resolutions

If you have problems on installations and using Andriod™ Smart Box, please refer to the frequent asked questions as listed below for resolutions. If the problem still exists, pleaese contact BenQ customer service for help.

Network unavailable

- Please check validity of SSID signal strength and Wi-Fi settings.
- If unable to discover 5GHz SSID, please make sure your Wi-Fi access point supports 5GHz frequency band and its wireless channal settings.
- If connecte to Wi-Fi but unable to browse web pages, it is possible there's a problem with your broadband modem such as powered off, malfunctioned, or incorrectly configured with firewall, user ID, or password. Please contact your Internet service provider for assistance.

BenQ i-Remote failures

- Make sure whether the battery is dead. Replace the battery.
- Make sure whether the dongle is well connected to Smart TV Box but not loosed.
- Make sure whether the using of BenQ i-Remote is not far away from Andriod™ Smart Box.
- Make sure whether BenQ i-Remote and the dongle are in line of sight.
- Make sure whether the dongle is irradiated by glares that interfere reception.
- Not all apps are applicable to BenQ i-Remote. Additional devices can be assistance on manipulations if available.

Audio or video failures

- Make sure whether you have switched the input signal of display to the corresponding HDMI port that Andriod™ Smart Box connected to. You may press “Input”, “Video Source”, or similar buttons on the remote controller of display to switch to HDMI input.
- Make sure whether you have turned on the power of Andriod™ Smart Box. Press power button on BenQ i-Remote to turn on Andriod™ Smart Box.
- Make sure whether the volumes of Andriod™ Smart Box and display have been turned all the way down or muted. If connected to an amplifier, please make sure whetehr the amplifier turned on and the volume is set correctly.
- Make sure whether the display has been connected with power supply. If there is a switch on the power plug, is the the swtich turned on?
- Make sure whether Smart TV Box is properly connected with power cord. To get Smart TV Box to work, the power supply has to match with the standard of 5V 2A.
- Make sure whether Smart TV Box does not start up regularly. Please disconnect the power supply and reconnect.
- Make sure whether Smart TV Box’s default display resolution is set to 1080p. Please confirm the connected display supports 1080p video signal input.

App failures

- Please make sure apps are adapted for Andriod™ Smart Box. For example, camera and wired network required apps are not adapted to Andriod™ Smart Box. If the app is not applicable, please select **Setup** > **Advanced** > **More Settings** > **Apps** > **Downloaded** to remove the app.
- **Market Place** contains apps adapted for LCD displays in large size, and Apps from other sources depende on their designs. Not all apps of smartphones or smart devices are for use with the LCD displays in large size.

Smart TV Box not responding

If Smart TV Box does not respond to any of your operations or its audio/video fails, please disconnect the power supply for few seconds and reconnect.

Screen lagging, frozen, or distorted

- Make sure whether Andriod™ Smart Box's Wi-Fi signal reception is OK, Wi-Fi is not interfered by other applicances, or wireless bandwidth is hogged by other devices.
- If not the problem with Wi-Fi bandwidth or reception, it may be the problem of insufficient Internet bandwidth. It is recommanded to apply at least 8Mbps subscribed bandwidth to keep screen easy and smooth especially for watching online hight definition videos.

Insufficient storage space for downloading

- Please check whether storage space is insufficient.
  Go to **Setup** > **Advanced** > **More Settings** > **Storage** to check if space is all occupied. If all occupied, please remove apps or sanitize occupied space.
- Uninstall infrequent used apps. Insert an additional microSD/SDHC card and move downloaded media content on it to gain more storage space.

Specifications

Basic	Model	BenQ JM-250
	Processor	ARM Cortex-A9 quad core with clock rate up to 2 GHz
	Graphics	Mali-450 octuple core
	Operating System	Android™ 4.4.x
	Memory	DDR3 1GB
	Storage	NAND flash 8GB
	Wireless	IEEE 802.11 a/b/g/n (dual band 2.4 & 5GHz)
	Ports & Interfaces	HDMI x 1, USB 2.0 x 2, microSD card slot x 1, AV-out x 1, RJ-45 jack x 1, IR receiving port x 1
	SD card slot	Yes (up to 64 GB)
	Supported USB devices	Wireless / wired keyboards / mice, flash drives, hard drives, card readers.
Multimedia	Resolution	3840 x 2160

Other	Dimension (antenna excluded)	107.9 (length) x 105.2 (width) x 21.5 (height) mm
	Weight (Andriod™ Smart Box base unit)	Approximate 260g
	Power input	5V/2A

Safety warning & notice

Please pay extra care about the content in this section while operating this device.

- Please keep this manual appropriately so you can refer to when needed.
- Please do obey system related instructions and warnings.
- Please do not store this device beyond temperature ranging between -10°C and 50°C. Do not operate this device beyond temperature ranging between 0°C and 40°C, or the system performance may be affected negatively.
- Please do not expose this device to rain or damp and keep it away from liquids such as drinks or faucets.
- Please do not expose this device to direct sunlight or the glare and keep it away from any heat source such as radiators, furnaces, or and stoves.
- Please do not crash or shock this device.
- Please do not use this device at where gas leaks.
- Please do not use this device in the proximity of water such as tubs, basins, sinks, muggy basements, or pools.
- Please do not store this device in the strong magnetic field.
- Please the included adapter for power supply and do not crush it.
- Please keep this device and its accessories away from the reach of infants, toddlers, and youngsters, or they may swallow tiny objects such as memory cards.

- Please do not stack on this device whether in or not in use.

Safety warning on power adapter

- (Applicable to Taiwan) Please use the included power adapter with this device only. Using adapters of other kinds may cause damage and hazards.
- Please use correct power outlets and make sure no heavy loads on the adapter or power cords.
- Please leave adequate space for radiation when the adapter is in use with this device. Please do not cover the adapter with papers or any objects to reduce the cooling effect. Please do not use the adapter in bags.
- Please do not use the adapter in the proximity of excessive moisture. Please do not touch the adapter with sweaty palms.
- Please plug the adapter into appropriate power source by referring to electrical requirement on the box or the package.
- Please do not use damaged power adapters.
- Please do not try to fix the power adapter by yourself. There is no parts in the power adapter can be self repaired. Please replace a new power adapter if the old one is damaged or with excessive moisture. Please contact your BenQ dealer for assistance and services.

Safety warning on wireless network

This product contains wireless module that supports 5GHz spectrum.

5GHz spectrum regulated in

Malaysia: 5.150~5.250GHz, 5.250~5.350GHz, 5.725~5.875GHz.

Thailand: 5.150~5.250GHz, 5.250~5.350GHz, 5.725~5.825GHz.

UAE: 5.150~5.250GHz, 5.250~5.350GHz, 5.725~5.850GHz.